

Patent Abstracts of Japan

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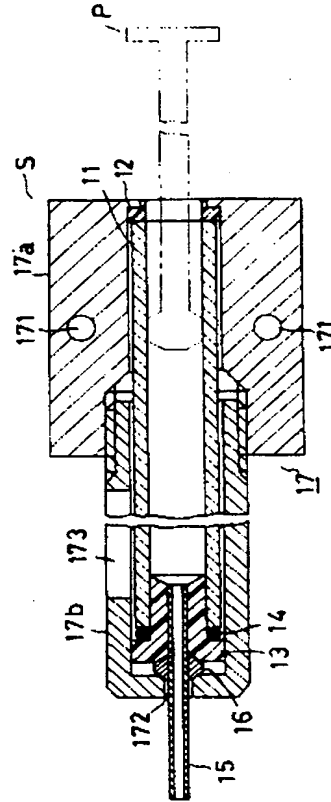
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TITLE : SYRINGE



ABSTRACT : PURPOSE: To prevent the lowering of accuracy due to the change of temperature by interlocking of a holder with an expansion part of a pipe extending through the cap of a cylinder main body in order to press and hold the cylinder main body.

CONSTITUTION: A cap 13 is provided through O-ring 14 at the top end of a cylinder main body 11 made of glass. The cap 13 is provided with a pipe 15 forming a suction and discharge passage of the cylinder main body. An annular member 16 is fixed to the outer circumference of the middle part of the pipe 15, and interlocked with a second member 17b of a holder 17. The first member 17a and the second member 17b of the holder 17 are screwed each other. The cylinder main body 11 is held by the first member 17a and the second member 17b of the holder 17. By this structure, the change of capacity of the cylinder caused by thermal expansion and contraction due to the change of temperature, is absorbed by the elasticity of the O-ring 14. Hence, the suction and discharge amount can accurately be kept.

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